

Natural Resources LR

Natural Resources Objective, to learn about natural resources. A natural resource is anything found in nature that human beings can use, such as air, sunlight and water. Natural resources can be classified as renewable and non-renewable.

Renewable resources are resources that can grow again, like plants and trees, or never run out, like air, water and sunlight. Air contains gases like oxygen and carbon dioxide, which are used by humans, plants and animals. Trees and plants use carbon dioxide and release oxygen.

Humans and animals breathe in oxygen and release carbon dioxide. These gases are replaced as they are used. Solar panels, like the ones seen on the roof of this house, harness solar energy to convert sunlight into electricity.

Solar water heaters are connected to water tanks. Water flows down through pipes into solar water heater tubes. Sunlight falls on the tubes and heats the water.

The heated water becomes lighter and rises into the tank above, from which hot water can finally be used. Plants, which provide food in the form of fruits and vegetables, and animals, which provide meat, milk and eggs, are renewable natural resources used by human beings. Wind energy, used to generate electricity through windmills, is another renewable energy resource.

Water is also a natural renewable resource. Hydro energy, the power derived from falling water, is used to generate electricity. Non-renewable resources are those that cannot be reproduced easily, such as coal used in power plants, petroleum and natural gas used in vehicles.

Topsoil is a non-renewable natural resource. It can be preserved by planting more trees, reducing the cutting of trees, and recycling old newspapers and magazines. By using alternate energy sources, like solar energy, hydro energy and wind energy, natural resources can be conserved.

For the survival of life on Earth, the conservation and wise use of natural resources is important. Summary Natural resources can be classified as renewable and non-renewable. Resources like air, water and sunlight, which are present in unlimited quantities, are renewable natural resources.

Coal, petroleum, natural gas and topsoil, which are present in limited quantity, are non-renewable natural resources.

Summary:

Natural Resources

Natural resources are materials found in nature that humans can use. These are classified into **renewable** and **non-renewable** resources.

- **Renewable resources:** Can be replaced or never run out, such as **air, water, sunlight, plants, and animals**.
 - **Examples:** Solar energy, wind energy, hydro energy (from water), and plants used for food.
- **Non-renewable resources:** Exist in **limited supply** and **cannot be easily replaced**, such as **coal, petroleum, natural gas, and topsoil**.
 - **Examples:** Fossil fuels used in vehicles and power plants.

Conservation

- Using **alternative energy sources** like **solar, wind, and hydro energy** can help conserve **non-renewable resources**.
- Planting trees and recycling can protect **topsoil** and reduce environmental harm.

Conclusion:

- **Renewable resources:** Air, water, sunlight, plants, and animals.
- **Non-renewable resources:** Coal, petroleum, natural gas, and topsoil.
- **Conservation:** Wise use of resources ensures sustainability for future generations.

Quiz: Natural Resources

1. Which of the following is a renewable resource?

- ☒ a) Sunlight
- ☐ b) Coal

- ☐ c) Petroleum
- ☐ d) Natural gas

2. Why are fossil fuels considered non-renewable?

- ☒ a) They take millions of years to form and cannot be replaced quickly.
- ☐ b) They are found in unlimited quantities.
- ☐ c) They are made from water and air.
- ☐ d) They can be produced instantly in factories.

3. Which of the following helps in conserving non-renewable resources?

- ☒ a) Using solar, wind, and hydro energy
- ☐ b) Burning more coal for energy
- ☐ c) Cutting down trees for land
- ☐ d) Using more plastic products

4. How can topsoil be conserved?

- ☒ a) By planting more trees and recycling paper
- ☐ b) By digging and removing it frequently
- ☐ c) By dumping waste on soil
- ☐ d) By covering it with plastic sheets